

**2014-2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER PROJECT SUMMARY**

12/18/2013

	2014	2015	2016	2017	2018	Category Totals
Design/Engineering	\$19,400	\$73,700	\$125,600	\$17,000	\$17,500	\$253,200
Right-of-Way	\$0	\$0	\$20,000	\$0	\$0	\$20,000
Utilities	\$31,183	\$0	\$35,000	\$0	\$0	\$66,183
Construction	\$167,600	\$170,000	\$838,900	\$384,900	\$87,500	\$1,648,900
Contract Admin./Inspection	\$18,600	\$18,000	\$91,100	\$38,500	\$8,800	\$175,000
<b>Yearly Totals</b>	<b>\$236,783</b>	<b>\$261,700</b>	<b>\$1,110,600</b>	<b>\$440,400</b>	<b>\$113,800</b>	

Source of Funding Water Revenues: Fund 266

**Grand Total = \$2,163,283**

**Portion of Cost to be funded by Development**

	2014	2015	2016	2017	2018	Category Totals
Design/Engineering	\$0	\$45,000	\$0	\$0	\$0	\$45,000
Right-of-Way	\$0	\$0	\$20,000	\$0	\$0	\$20,000
Utilities	\$0	\$0	\$25,000	\$0	\$0	\$25,000
Construction	\$0	\$0	\$0	\$300,000	\$0	\$300,000
Contract Admin./Inspection	\$0	\$0	\$0	\$30,000	\$0	\$30,000
<b>Yearly Totals</b>	<b>\$0</b>	<b>\$45,000</b>	<b>\$45,000</b>	<b>\$330,000</b>	<b>\$0</b>	

Source of Funding Water Revenues: Deposited to Fund 266

**Grand Total = \$420,000**

Percentage 19%

**2014-2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER PROJECT SUMMARY**

12/18/2013

Project	Total Cost	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fund Name	Fund Number
W-20 Water Tank Painting								
Design/Engineering	\$45,000			\$45,000				
Right-of-Way								
Utilities								
Construction	\$270,000			\$270,000				
Contract Admin./Inspection	\$32,400			\$32,400				
<b>TOTAL</b>	<b>\$347,400</b>			<b>\$347,400</b>			Water Revenue	266
W-45 Hilliard Participation in Columbus Water System Improvements								
Design/Engineering	\$94,500	\$19,400	\$20,000	\$20,600	\$17,000	\$17,500		
Right-of-Way								
Utilities	\$31,183	\$31,183						
Construction	\$412,400	\$77,600	\$80,000	\$82,400	\$84,900	\$87,500		
Contract Admin./Inspection	\$41,400	\$7,800	\$8,000	\$8,300	\$8,500	\$8,800		
<b>TOTAL</b>	<b>\$579,483</b>	<b>\$135,983</b>	<b>\$108,000</b>	<b>\$111,300</b>	<b>\$110,400</b>	<b>\$113,800</b>	Water Revenue	266
W-47(D) Trueman Blvd - Section 3 Waterline								
Design/Engineering	\$45,000		\$45,000					
Right-of-Way	\$20,000			\$20,000				
Utilities	\$25,000			\$25,000				
Construction	\$300,000				\$300,000			
Contract Admin./Inspection	\$30,000				\$30,000			
<b>TOTAL</b>	<b>\$420,000</b>		<b>\$45,000</b>	<b>\$45,000</b>	<b>\$330,000</b>		Water Revenue	266
W-48 Cosgray Road 12" Water Main								
Design/Engineering								
Right-of-Way								
Utilities								
Construction	\$90,000		\$90,000					
Contract Admin./Inspection	\$10,000		\$10,000					
<b>TOTAL</b>	<b>\$100,000</b>		<b>\$100,000</b>				Water Revenue	266

**2014-2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER PROJECT SUMMARY**

12/18/2013

Project	Total Cost	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fund Name	Fund Number
W-49 Old Hilliard Water Line Replacement								
Design/Engineering	\$60,000			\$60,000				
Right-of-Way								
Utilities	\$10,000			\$10,000				
Construction	\$400,000			\$400,000				
Contract Admin./Inspection	\$40,000			\$40,000				
TOTAL	\$510,000			\$510,000			Water Revenue	266
W-50 Wilcox - Riggins Roads Waterline Extensions								
Design/Engineering	\$8,700		\$8,700					
Right-of-Way								
Utilities								
Construction	\$86,500			\$86,500				
Contract Admin./Inspection	\$10,400			\$10,400				
TOTAL	\$105,600		\$8,700	\$96,900			Water Revenue	266
W-51 MUNICIPAL PARK SPORTS DOME WATER LINE								
Design/Engineering								
Right-of-Way								
Utilities								
Construction	\$90,000	\$90,000						
Contract Admin./Inspection	\$10,800	\$10,800						
TOTAL	\$100,800	\$100,800					Water Revenue	266

# **FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY**

12/18/2013

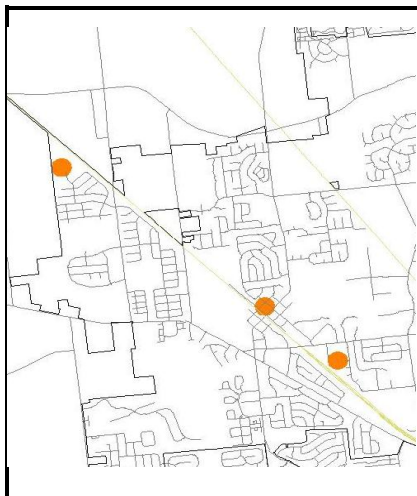
## **C.I.P. No. W-20 Water Tank Painting**

This project provides for regular painting of the water towers in Hilliard. Currently, this project involves the Wayne Street, Westbrook Drive and Cosgray Road water tanks. As additional tanks are constructed in the City, they will be added to the painting program.

Tanks should be painted approximately every 15 years. The Wayne Street (Old Hilliard) water tank was last painted in the early 1990s and was repainted in 2007. The Westbrook Drive tank is planned for repainting in 2013. Engineering studies have shown these tanks have lead paint that will require special protection during the removal of the lead and cadmium. Engineering is estimated to cost \$37,500, Construction is estimated to cost \$250,000, and contract administration and inspection is estimated to cost \$25,000. The Cosgray Road water tank was constructed in 2000 and will not be programmed for repainting until 2015.

**2016 Paint the Cosgray Road Water Tower Painting.**

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$45,000
Right-of-Way	\$0
Utilities	\$0
Construction	\$270,000
Contract Admin./Inspection	\$32,400
<b>Total</b>	<b>\$347,400</b>

Companion C.I.P.'s

Authorizing Legislation

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

Priority Level: I

Fiscal Year = 2014				
2014	2015	2016	2017	2018
		\$45,000		
		\$270,000		
		\$32,400		

# **FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY**

12/18/2013

## **C.I.P. No. W-45**

### **Hilliard Participation in Columbus Water System Improvements**

This project is established to provide a funding source for joint improvements to the water system in the Hilliard area with the City of Columbus. Funding for design and construction administration and inspection have been included. This base construction cost is \$104,800 in 2014 with a 3 percent inflation factor.

#### **2013 CIP/CIB AMENDMENT**

**Extend water main along the rail to trail @ Cosgray Road to serve Homestead Park (owned by Washington Township) and the City Owner property north and east of the Estates of Hoffman Farms and potential the Buck Lesiman Tracts. The Waterline extension cost will be a joint project with Washington Township Cost.**

**Extends an 8-inch Waterline approximately 600 feet along the north easterly rails to trails and provide a water service to Homestead Park. Township will also be required to pay City of Columbus tap and Water Capacity fees.**

**2014 - \$135,983 for Design & Construction  
Construction of the Heritage Rail to Trail Waterline for Homestead Park**

**2015 - \$108,000  
Design of waterline extension and loop for Heritage Rail to Trail  
Design of the Hilliard Roger A. Reynold's Municipal Park Waterline extension and loop  
Construction of the extension of the 12-inch waterline along the Heritage Rails to Trail to tie into the Estates of Hoffman Farms and Water Tower.**

**2016 - \$111,300  
Construction of the Hilliard Roger A. Reynold's Municipal Park Waterline extension and loop**

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$94,500
Right-of-Way	\$0
Utilities	\$31,183
Construction	\$412,400
Contract Admin./Inspection	\$41,400
<b>Total</b>	<b>\$579,483</b>

#### Companion C.I.P.'s

#### Authorizing Legislation

Ord. 06-17

#### Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

#### Project Origin

Priority Level: I

	Fiscal Year = 2014				
	2014	2015	2016	2017	2018
Design/Engineer	\$19,400	\$20,000	\$20,600	\$17,000	\$17,500
Right-of-Way					
Utilities	\$31,183				
Construction	\$77,600	\$80,000	\$82,400	\$84,900	\$87,500
Contract Admin	\$7,800	\$8,000	\$8,300	\$8,500	\$8,800

# FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY

12/18/2013

## C.I.P. No. W-47(D)

### Trueman Blvd - Section 3 Waterline

This project will be designed and constructed in conjunction with the CIP T-69C Trueman Boulevard Section 3 roadway project. It consists of construction of a new 8-inch waterline along the new portion of Trueman Boulevard north of Davidson Road within the Woolpert property.

According to the 2001 water master plan, the waterline north of Davidson Road is not needed for system wide water distribution purposes. Therefore, the new 8-inch waterline will be built primarily to serve abutting properties along Trueman Boulevard and to provide fire protection along the new roadway.

Funding for this project is estimated to be \$45,000 for engineering in 2015, easements and utility relocation would be done in 2016. Current construction cost is estimated at \$330,000 including construction administration and inspection. Unless a private developer plans to engineer, construct, and fund the waterline and associated roadway, activities associated with construction of this is not anticipated until 2017.

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$45,000
Right-of-Way	\$20,000
Utilities	\$25,000
Construction	\$300,000
Contract Admin./Inspection	\$30,000
<b>Total</b>	<b>\$420,000</b>

#### Companion C.I.P.'s

T-69C

#### Authorizing Legislation

Ord. 06-17

#### Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

#### Project Origin

Priority Level: I

Fiscal Year = 2014				
2014	2015	2016	2017	2018
	\$45,000			
		\$20,000		
		\$25,000		
			\$300,000	
			\$30,000	

# **FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY**

12/18/2013

## **C.I.P. No. W-48**

### **Cosgray Road 12" Water Main**

The construction of approximately 600' of 12" water main along the east side of Cosgray Road and going south from a point approximately 50' south of the centerline of Woodsvie Way. This new line will help loop the existing water system. Design is complete.

**2015 Project - \$100,000**

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$0
Right-of-Way	\$0
Utilities	\$0
Construction	\$90,000
Contract Admin./Inspection	\$10,000
<b>Total</b>	<b>\$100,000</b>

Companion C.I.P.'s

Authorizing Legislation

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

Priority Level: I

Fiscal Year = 2014				
2014	2015	2016	2017	2018
	\$90,000			
	\$10,000			

# **FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY**

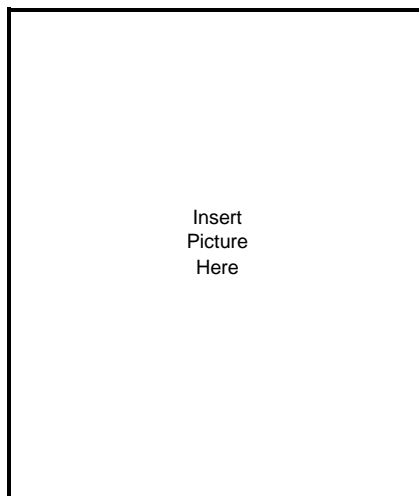
12/18/2013

## **C.I.P. No. W- 49**

### **Old Hilliard Water Line Replacement**

This project replaces approximately 2,900 linear feet of 2-inch and 4-inch diameter water line in Old Hilliard. Some of the alleys and streets in Old Hilliard have existing 2-inch and 4-inch water lines that are substandard in size. After repairing a break in one of them in 2010, it was noted that these lines are cast iron material in poor condition as well. Existing 2-inch and 4-inch water lines will be replaced with 6-inch or 8-inch ductile iron water lines adequately sized for the area to be served. Additional fire hydrants may be constructed in those areas that lack an adequate amount of hydrants. The project would include the replacement of alleys for those water lines located in alleys.

#### Location Map (No Scale)



#### Figures below are for 5 year program uses current year \$

Design/Engineering	\$60,000
Right-of-Way	\$0
Utilities	\$10,000
Construction	\$400,000
Contract Admin./Inspection	\$40,000
Total	\$510,000

#### Companion C.I.P.'s

#### Authorizing Legislation

#### Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

#### Project Origin

Priority Level: I

Fiscal Year = 2014				
2014	2015	2016	2017	2018
		\$60,000		
		\$0		
		\$10,000		
		\$400,000		
		\$40,000		



# **FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY**

12/18/2013

## **C.I.P. No. W-50**

### **Wilcox - Riggins Roads Waterline Extensions**

This projects extends a 16-inch water main along Riggins Road and a 12-inch water main along Wilcox Road through the roundabout and connects them. It also provides for stubs for future development to the south along Wilcox Road and west to undeveloped land.

400-feet of 12 inch water line w/ Fire Hydrants.

450-feet of 16-inch water line w/Fire Hydrants.

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$8,700
Right-of-Way	\$0
Utilities	\$0
Construction	\$86,500
Contract Admin./Inspection	\$10,400
Total	\$105,600

Companion C.I.P.'s

T-135 & ST-

Authorizing Legislation

Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

Project Origin

Priority Level: I

Fiscal Year = 2014					
	2014	2015	2016	2017	2018
Design/Engineering		\$8,700			
Right-of-Way					
Utilities					
Construction			\$86,500		
Contract Admin./Inspection		\$0	\$10,400		

# FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM WATER PROJECT SUMMARY

12/18/2013

## C.I.P. No. W-51

### MUNICIPAL PARK SPORTS DOME WATER LINE

This project approximately 900' of new water lines to provide sanitary sewer to the new sports dome facility

#### 2014:

\$90,000 construction, and \$10,800 for contract administration and construction inspection

**Project did not get to construction in 2013 so the funds will need to be reappropriated as part of the 2014 CIB. No new funds needed**

Location Map  
(No Scale)



Figures below are for 5 year program  
uses current year \$

Design/Engineering	\$0
Right-of-Way	\$0
Utilities	\$0
Construction	\$90,000
Contract Admin./Inspection	\$10,800
<b>Total</b>	<b>\$100,800</b>

#### Companion C.I.P.'s

#### Authorizing Legislation

#### Funding Source

Department	531
Fund Name	Water Revenue
Fund Number	266

#### Project Origin

Priority Level: I

	Fiscal Year = 2014				
	2014	2015	2016	2017	2018
Design/Engineering					
Right-of-Way					
Utilities					
Construction	\$90,000				
Contract Admin	\$10,800				